

In the Claims

1. (Amended) A method for determining whether a compound from a sample has predetermined characteristics that would make it suitable for a specific purpose, said method comprising:

- a. obtaining a biological material in a first solution or suspension;
- b. maintaining a continuous flow of a supportive solution through the first solution or suspension;
- c. adding the sample to the continuous flow of the supportive solution;
- d. [providing suitable conditions for the interaction of] reacting the biological material in the first solution or suspension with the compound in the sample to provide metabolites, or to assess permeability and bioavailability;
- e. washing the results of the [interaction] reacting between the biological material in the first solution and the compound in the sample through an ultrafiltration membrane to form a second solution; and
- f. analyzing the second solution to determine whether the compound in the sample has the predetermined characteristics.

5. (Amended) The method of claim 1, wherein the continuous flow facilitates the reacting [interaction] of the biological material with the sample in the first solution or suspension and facilitates the removal of compounds and their metabolites from the sample [and their metabolites] by washing them through the ultrafiltration chamber into the second solution.

8. (Amended) The method of claim 1, wherein the suitable conditions for [interaction] reacting of the biological material in the first solution with the compound in the sample comprises mixing the sample with the biological material to achieve a homogeneous distribution of sample, temperature control to maintain function of the biological material, adequate concentration of sample and sufficient amount of biological material to facilitate analysis, sufficient time for interaction, control of atmospheric gases (oxygen and carbon dioxide) to maintain function of the biological material.

Please add new claim 12: